



## STEAMTEC™

# Highly Active Steam Cleaning Fluid Technical Information Sheet

### Description & Application:

Steamtec is a superior blend of phosphates, chelating agents and corrosion inhibitors. The cleaner is specifically designed to be applied by steam or pressurized spray processes. The cleaner contains a novel, highly effective corrosion inhibitor that protects parts during cleaning.

Primary features attributable to Steamtec are:

- Very low foaming at high and low temperatures;
- Non-corrosive to metals, passes sandwich corrosion test;
- Safe to use on a wide range of plastics;
- Liquid concentrate for easier handling, concentrate is v stable (>2 yrs).
- Free rinsing to leave attractive, bright finish;
- Formulated with maximum concern for the environment, all surfactants, sequestrants and corrosion inhibitors, etc. are fully biodegradable and non-endocrine disrupting.

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### Applications

Steamtec is applicable to the steam and pressurized water cleaning and removal of surface contaminants from metal surfaces of:

- Marine, Automotive and Aerospace parts;
- Precision engineering parts;
- General engineering parts and pressed steel parts.

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### Compatibility

Steamtec is compatible with most of the major metal alloys, plastics and elastomers used in engineering.



Safer  
Solutions  
For Industry

## **Health and Safety**

Steamtec is essentially non-hazardous, but can be irritating to eyes and skin. It is not flammable, is neither a known or suspected carcinogen and is formulated using environmentally acceptable detergents and surfactants. It does not contain any endocrine disrupting compounds that are damaging to watercourses.

See Material Safety Data Sheet for details.

## **Typical Properties**

Appearance	Red to purple coloured liquid
pH	11.4 units (Neat solution) 11.0 units (10% solution)
Density at 20 °C	1.06
Solubility in water	Complete
Volatile Organic Compounds (VOC), g/L	Nil

Storage life in original, unopened containers, at between 0 °C and 35 °C (32° to 95 °F), is not less than 36 months.

## **Process Control**

### **Application Equipment:**

Commercial Spray / Power Washing Machines and Steam Cleaning Machines are ideal equipment for use with Steamtec.

Pressure washing / steam cleaning equipment used to contain the cleaner should be manufactured from mild steel or corrosion resistant steel. Pumps should be manufactured from mild steel. Copper based alloys may also be used.

Heating coils should be made from suitable metallic materials, e.g. non-corrosion resistant steel, corrosion resistant steel, titanium alloy or copper alloy.

Most commercially available equipment is suitable.

### **Solution Control:**

No specific test controls are normally required.

The product is usually used as the concentrate by means of an automated dilution setting attached to the spray equipment or by means of pre-dilution to the recommended concentration

Where the solution is intended to be recycled and re-used, then advice should be sought from Amity regarding solution strength / activity maintenance.

## **Processing Procedure**

The product should be operated at:

- A concentration of between 10 and 40 g/l (1.6 to 7.2 oz/US gal);
- A temperature between 40 °C and 100 °C (104 °F to 210 °F) is preferred but lower temperatures may be suitable.

Application is normally by spray. Allow sufficient contact time, up to 30 minutes dependant on

equipment used and the temperature and pressure selected.  
Allow sufficient time for the cleaner to penetrate, lift and absorb any soils,  
There is no problem with using extended solution contact time extended solution contact times up to 30 minutes, where difficult soils are encountered.  
Removal of any particularly tenacious deposits can be assisted by using a cloth, fibre pad or stiff bristle brush.  
Components should be lightly rinsed with clean water following processing.

It is recommended that users verify operating conditions when the product is to be used with plastic surfaces.

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## **CONTACT DETAILS:**

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For any further information, please contact your distributor or Amity.

In the event of any technical queries, please contact:  
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## **Packaging Details:**

Steamtec is available in:

- 25 Litre Containers;
- 210 Litre Drums.